

C.O.C #10

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CHAIN OF CUSTODY REPORT

Work Order #: **M105011**

TURNAROUND REQUEST in Business Days*

Organic & Inorganic Analyses

10 **7** **5** **4** **3** **2** **1** **<1**

STD.

Petroleum Hydrocarbon Analyses

5 **4** **3** **2** **1** **<1**

STD.

Please Specify

OTHER

*Turnaround Requests less than standard may incur Rush Charges.

CLIENT: Bristol		INVOICE TO: Bristol Enviro & Engineering												<div>TURNAROUND REQUEST in Business Days*</div> <div>Organic & Inorganic Analyses</div> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>Petroleum Hydrocarbon Analyses</div> <div>5 4 3 2 1 <1</div> <div>STD.</div> <div>OTHER Please Specify</div> <div>*Turnaround Requests less than standard may incur Rush Charges.</div>						
REPORT TO: Anne Kvanavatten		P.O. NUMBER: 21090																		
ADDRESS: Ancilitha																				
PHONE: 770-0974		FAX: 770-0975		REQUESTED ANALYSES												<div>MATRIX (W, S, O)</div> <div># OF CONT.</div> <div>COMMENTS</div> <div>NCA WO ID</div>				
PROJECT NAME: Bristol		PROJECT NUMBER: 21090		SAMPLED BY:																
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRO	BTEX w/ Naphthalene																	
1. 01Am B801TW	5/17/01 19:00	X	X														w	4		
2.																				
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				
11.																				
12.																				
13.																				
14.																				

SHED BY: Charles R. Kvanavatten	FIRM: Bristol	DATE: 5/17/01	TIME: 1916	RECEIVED BY: Stephen W. Isor	PRINT NAME: Stephen W. Isor	FIRM: NCA	DATE: 5-17-01	TIME: 1916
	FIRM:	DATE:	TIME:	RECEIVED BY:	PRINT NAME:	FIRM:	DATE:	TIME:

TEMP:	PAGE OF
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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 05/17/01 19:16. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M105011



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
05/21/01 09:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB801TW	M105011-01	Water	05/17/01 19:00	05/17/01 19:16

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 6



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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
05/21/01 09:13

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB801TW (M105011-01) Water						Sampled: 05/17/01 Received: 05/17/01			
Diesel Range Organics	2.05	1.00	mg/l	1	AK 102	05/17/01	05/19/01	0105016	
<i>Surr: 1-Chlorooctadecane</i>	78.5 %	75-125							

North Creek Analytical - Mobile Lab

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2 of 6



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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
05/21/01 09:13

BTEX and MTBE per EPA Method 8021B
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB801TW (M105011-01) Water					Sampled: 05/17/01 Received: 05/17/01				
Benzene	ND	0.500	ug/l	1	1B BTEX/MTI	05/17/01	05/18/01	0105018	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	88.7 %	75-120							

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3 of 6



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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
05/21/01 09:13

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0105016 - 3520B Liq-Liq

Blank (0105016-BLK1)

Prepared: 05/17/01 Analyzed: 05/18/01

Diesel Range Organics ND 0.500 mg/l

Surr: 1-Chlorooctadecane 0.170 " 0.200 85.0 75-125

LCS (0105016-BS1)

Prepared: 05/17/01 Analyzed: 05/19/01

Diesel Range Organics 4.86 0.500 mg/l 5.00 97.2 75-125

Surr: 1-Chlorooctadecane 0.221 " 0.200 110 75-125

LCS Dup (0105016-BSD1)

Prepared: 05/17/01 Analyzed: 05/19/01

Diesel Range Organics 4.68 0.500 mg/l 5.00 93.6 75-125 3.77 20

Surr: 1-Chlorooctadecane 0.214 " 0.200 107 75-125

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
05/21/01 09:13

BTEX and MTBE per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0105018 - EPA 5030

Blank (0105018-BLK1)

Prepared & Analyzed: 05/17/01

Benzene	ND	0.500	ug/l
Toluene	ND	0.500	"
Ethylbenzene	ND	0.500	"
Xylenes (total)	ND	1.00	"
Naphthalene	ND	10.0	"

Surr: 4-BFB 85.1 " 100 85.1 75-120

LCS (0105018-BS1)

Prepared: 05/17/01 Analyzed: 05/18/01

Benzene	18.7	0.500	ug/l	20.0	93.5	67-130
Toluene	18.0	0.500	"	20.0	90.0	75-126
Ethylbenzene	18.6	0.500	"	20.0	93.0	76-124
Xylenes (total)	53.6	1.00	"	60.0	89.3	75-126
Naphthalene	17.3	10.0	"	20.0	86.5	75-126

Surr: 4-BFB 87.9 " 100 87.9 75-120

Matrix Spike (0105018-MS1)

Source: M105011-01

Prepared: 05/17/01 Analyzed: 05/18/01

Benzene	18.6	0.500	ug/l	20.0	ND	93.0	67-130
Toluene	18.3	0.500	"	20.0	ND	91.5	75-126
Ethylbenzene	19.1	0.500	"	20.0	ND	95.5	76-124
Xylenes (total)	54.1	1.00	"	60.0	ND	90.2	75-126
Naphthalene	18.3	10.0	"	20.0	ND	91.5	67-130

Surr: 4-BFB 91.9 " 100 91.9 75-120

Matrix Spike Dup (0105018-MSD1)

Source: M105011-01

Prepared: 05/17/01 Analyzed: 05/18/01

Benzene	19.5	0.500	ug/l	20.0	ND	97.5	67-130	4.72	13
Toluene	18.4	0.500	"	20.0	ND	92.0	75-126	0.545	13
Ethylbenzene	19.8	0.500	"	20.0	ND	99.0	76-124	3.60	15
Xylenes (total)	57.5	1.00	"	60.0	ND	95.8	75-126	6.09	13
Naphthalene	22.8	10.0	"	20.0	ND	114	67-130	21.9	13

Surr: 4-BFB 93.2 " 100 93.2 75-120

Q-17

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Project: Amchitka
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Reported:
05/21/01 09:13

Notes and Definitions

Q-17 The RPD is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M105011 FINAL 05 21 01 0913.mdb Default Report (not modified)
0105018-MSD1	8021B BTEX/MTBE/N	Naphthalene	Q-17
0105018-MSD1	8021B BTEX/MTBE/N	Naphthalene	Exceeds RPD limit